

DEPARTMENT OF COMMERCE

**ALTERNATIVE FUEL  
VEHICLE REPORT  
FISCAL YEAR  
2009**



**U.S. Department of Commerce  
Alternative Fuel Vehicle Report for Fiscal Year 2009**

This is the U.S. Department of Commerce (DOC) Alternative Fuel Vehicle (AFV) Report for Fiscal Year (FY) 2009, including planned fleet acquisitions for FY 2010, projections for FY 2011 and forecasts for FY 2012. The report has been developed in accordance with the Energy Policy Act of 1992 (EPAAct) Public Law (P.L. 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (P.L. 105-388), and Executive Order (EO) 13423, "Strengthening Federal Environmental, Energy, and Transportation Management" (72 FR 3919, signed January 24, 2007). E.O. 13423 revoked and replaced the provisions of the earlier E.O. 13149, "Greening the Government through Federal Fleet and Transportation Efficiency" (65 FR 24607, April 21, 2000).

Section 701 (42 U.S.C. 6374(a) (3) (E) of the EPAAct of 2005 (P.L. 109-58, August 2005) amended EPAAct of 1992 to require that agencies use alternative fuel in all dual-fuel AFVs except in vehicles for which the agency received a waiver from the Department of Energy. Implementation of this provision began during FY 2007; DOC and other agencies requested vehicle waivers from the requirement for FY 2009.

**Summary**

As detailed in the following tables, DOC achieved the AFV acquisition requirements of P.L. 102-486 in FY 2009. DOC participated in the GSA Surcharge Program in FY 2009 and participation in the Program allowed DOC to meet and exceed the AFV requirement for FY 2009. DOC will continue to purchase AFVs for use within those regions where alternative fuel is available.

Table 1 provides information on light duty acquisitions for 2009; Table 2 relates to 2009 DOC fuel usage; and Tables 3 through 5 pertain to future vehicle acquisitions for DOC through 2012.

**Table 1**

Table 1 shows the number and types of FY 2009 DOC vehicle acquisitions.

<b>Actual FY 2009 Light-Duty Vehicle Acquisitions</b>				
		<b>Leased</b>	<b>Purchased</b>	<b>Total</b>
<b>Total number of Light-Duty (&lt;8,500 GVWR) Vehicle Acquisitions</b>		<b>265</b>	<b>46</b>	<b>311</b>
<b>Exemptions</b>	<b>Fleet Size</b>	0	0	0
	<b>Foreign</b>	0	2	2
	<b>Geographic</b>	0	0	0
	<b>Law Enforcement</b>	100	18	118
	<b>Non-MSA Operation (fleet)</b>	0	2	2
	<b>Non-MSA Operation (vehicles)</b>	115	0	115
<b>EPACT Covered Acquisitions<sup>1</sup></b>		<b>50</b>	<b>24</b>	<b>74</b>
<b>Actual FY 2009 AFV Acquisitions</b>				
<b>Vehicle Type</b>	<b>Fuel</b>	<b>Leased</b>	<b>Purchased</b>	<b>Total</b>
Sedan/St Wgn Compact	E-85 Flex-Fuel Compact	9	0	9
Sedan/St Wgn Compact	GAS HY	3	0	3
Sedan/ST Wgn Midsize	E-85 Flex-Fuel Midsize	8	0	8
Sedan/ST Wgn Midsize	E-85 Flex-Fuel Midsize	4	1	5
LD Minivan 4X2 (Cargo)	E-85 Flex-Fuel	5	0	5
LD Minivan 4X2 (Passenger)	E-85 Flex-Fuel	42	0	42
LD Pickup 4x2	CNG Bi-Fuel	0	1	1
LD Pickup 4x2	E-85 Flex-Fuel	3	1	4
LD SUV 4X2	E-85 Flex-Fuel	3	1	4
LD SUV 4x2	GAS HY	0	3	3
LD Van 4x2 (Cargo)	CNG Dedicated	0	9	9
LD Van 4x2 (Cargo)	E-85 Flex-Fuel	3	0	3
LD Van 4x2 (Passenger)	CNG Dedicated	0	1	1
LD Van 4x2 (Passenger)	E-85 Flex-Fuel	4	0	4
LD Pickup 4X4	E-85 Flex-Fuel	10	1	11
LD Pickup 4X4 (Law Enforcement)	E-85 Flex-Fuel	0	2	2
LD SUV 4X4	E-85 Flex-Fuel	29	1	30
LD SUV 4X4 (Law Enforcement)	E-85 Flex-Fuel	3	6	9
LD SUV 4X4	GAS HY	1	1	2
LD SUV 4X4 (Cargo)	E-85 Flex-Fuel	3	0	3
LD SUV 4X4 (Passenger)	E-85 Flex-Fuel	1	0	1
MD Van (Cargo)	E-85 Flex-Fuel	5	0	5
MD Van (Passenger)	E-85 Flex-Fuel	1	0	1
<b>Totals:</b>		<b>137</b>	<b>28</b>	<b>165</b>
<b>Actual EPAct Acquisition Credits Summary</b>				
<b>Total Number of AFV Acquisitions (Base)</b>				<b>165</b>
Zero Emission Vehicle Credits				0
Dedicated Light-Duty AFV Credits				11
Dedicated Medium-Duty AFV Credits				0
Dedicated Heavy-Duty AFV Credits				0
Law Enforcement or Emergency Vehicle Credit <sup>2</sup>				(19)
Biodiesel Fuel Usage Credits				0
<b>Total EPACT Credits</b>				<b>11</b>
<b>Total AFV Acquisitions with Credits</b>				<b>176</b>
<b>Overall EPAct Compliance Percentage <math>(176/74 * 100)</math><sup>3</sup></b>				<b>238 %</b>

<sup>1</sup> EPAct – Covered Acquisitions is calculated by: Total Light Duty Vehicle Acquisitions - Exemptions

<sup>2</sup> Law Enforcement or Emergency Vehicle Credit is not included in AFV Acquisition Credits.

<sup>3</sup> DOC acquired 311 light-duty vehicles, of which 74 were covered by EPAct and 165 were AFVs. After calculation of credits, the EPAct AFV percentage is calculated by:  $(\text{Total EPAct Credits} / \text{Total EPAct Covered Acquisitions}) \times 100$ .  $(176 / 74 \times 100 = 238\%)$ .

**Table 2**

Table 2 is the fuel usage for DOC fleets in FY 2009. Most vehicles acquired by DOC are GSA-leased. Maintenance and fuel costs are included in the lease.

Department of Commerce Fuel Use in FY 2009 <sup>1</sup>		
Fuel Type	Quantity	Unit
Biodiesel-B100	19	Gallons
CNG	2,446	Gallons @ 2,400 psi, 70°F
+62CNG	0	Hundred cu. ft.
Diesel	59,385	Gallons
E-85 (ethanol)	29,870	Gallons
Gasoline	796,873	Gallons
Methanol	0	Gallons
Propane	0	Gallons

<sup>1</sup> As self-reported in FAST, December 2009.

**Table 3**

Table 3 shows the number and types of planned FY 2010 DOC vehicle acquisitions.

Planned Light-Duty Vehicle Acquisitions and Exemptions (FY 2010)						
		Acquisitions			Total	
		Leased	Purchased			
Total Light-Duty Vehicle Acquisitions		313	12	325		
Fleet Exemptions: Fleet Size		0	0	0		
Fleet Exemptions: Geographic		0	0	0		
Fleet Exemptions: Foreign		0	12	0		
Fleet Exemptions: Non-MSA Operations		0	0	0		
Vehicle Exemptions: Law Enforcement (LE)		94	0	94		
Vehicle Exemptions: Non-MSA Operations		137	0	137		
Total EPAc-Covered Vehicles		82	0	82		
Planned Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE (Yes/No)	Acquisitions			EPAc Credits
			Leased	Purchased	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E-85 FF	No	22	0	22	22
Sedan/St Wgn Midsize	E-85 FF	No	17	0	17	17
LD Minivan 4x2 (Passenger)	E-85 FF	No	27	0	27	27
LD Pickup 4x2	E-85 FF	No	7	0	7	7
LD Van 4x2 (Cargo)	CNG/DE	No	1	0	1	1
LD Pickup 4x4	E-85 FF	No	8	0	8	8
LD SUV 4x4	E-85 FF	No	23	0	23	23
LD SUV 4x4	E-85 FF	Yes	2	0	2	0
LD SUV 4x4	GAS HY	No	1	0	1	1
LD Van 4x4 (Cargo)	E-85 FF	No	1	0	1	1
Medium Duty Vehicles						
MD Van (Cargo)	CNG- BI	No	2	0	2	2
MD Van (Passenger)	E-85 FF	No	1	0	1	1
Total Planned Acquisitions:			112	0	112	110
Planned EPAc Acquisition Credits Summary						
Base AFV Acquisition Credits (Total Planned Acquisitions)						110
Zero Emission Vehicle (ZEV) Credits						0
Dedicated Light Duty AFV Credits						1
Dedicated Medium Duty AFV Credits						0
Dedicated Heavy Duty AFV Credits						0
Biodiesel Fuel Usage Credits						0
Total EPAc Credits						111
Overall EPAc Compliance Percentage (EPAc Credits/Planned Acquisitions)						135%

**Table 4**

Table 4 shows the number and types of projected FY 2011 DOC vehicle acquisitions.

Projected Light-Duty Vehicle Acquisitions and Exemptions (FY 2011)						
			Acquisitions		Total	
			Leased	Purchased		
Total Light-Duty Vehicle Acquisitions			244	6	250	
Fleet Exemptions: Fleet Size			0	0	0	
Fleet Exemptions: Geographic			0	6	6	
Fleet Exemptions: Foreign			0	0	0	
Fleet Exemptions: Non-MSA Operations			0	0	0	
Vehicle Exemptions: Law Enforcement (LE)			96	0	96	
Vehicle Exemptions: Non-MSA Operations			102	0	102	
Total EPAc-Covered Vehicles			46	0	46	
Projected Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE (Yes/No)	Acquisitions			EPAc Credits
			Leased	Purchased	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E-85 FF	No	10	0	10	10
Sedan/St Wgn Compact	Gas HY		2	0	2	2
Sedan/St Wgn Midsize	E-85 FF	No	18	0	18	18
LD Minivan 4x2 (Passenger)	E-85 FF	No	26	0	26	26
LD Pickup 4x2	E-85 FF	No	3	0	3	3
LD SUV 4x2	E-85 FF	No	2	0	2	2
LD Pickup 4x4	CNG BI	No	1	0	1	1
LD Pickup 4x4	E-85 FF	No	5	0	5	5
LD SUV 4x4	E-85 FF	No	19	0	19	19
LD SUV 4x4	E-85 FF	Yes	3	0	3	0
LD 4x4 (Cargo)	E-85 FF	No	1	0	1	1
LD Van 4x4 (Passenger)	E-85 FF	No	1	0	1	1
Medium Duty Vehicles						
MD Van (Passenger)	CNG BI	No	1	0	1	1
Total Projected Acquisitions:			92	0	92	89
Projected EPAc Acquisition Credits Summary						
Base AFV Acquisition Credits (Total Planned Acquisitions)						89
Zero Emission Vehicle (ZEV) Credits						0
Dedicated Light Duty AFV Credits						0
Dedicated Medium Duty AFV Credits						0
Dedicated Heavy Duty AFV Credits						0
Biodiesel Fuel Usage Credits						0
Total EPAc Credits						89
Overall EPAc Compliance Percentage EPAc Credits/(Planned Acquisitions)						193%

**Table 5**

Table 5 shows the number and types of forecast FY 2012 DOC vehicle acquisitions.

Forecast Light-Duty Vehicle Acquisitions and Exemptions (FY 2012)						
			Acquisitions		Total	
			Leased	Purchased		
Total Light-Duty Vehicle Acquisitions			244	2	246	
Fleet Exemptions: Fleet Size			0	0	0	
Fleet Exemptions: Geographic			0	0	0	
Fleet Exemptions: Foreign			0	2	2	
Fleet Exemptions: Non-MSA Operations			0	0	0	
Vehicle Exemptions: Law Enforcement (LE)			96	0	96	
Vehicle Exemptions: Non-MSA Operations			102	0	102	
Total EPAct-Covered Vehicles			46	0	46	
Forecast Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE (Yes/No)	Acquisitions			EPAct Credits
			Leased	Purchased	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E-85 FF	No	10	0	10	10
Sedan/St Wgn Compact	Gas HY	No	2	0	2	2
Sedan/St Wgn Midsize	E-85 FF	No	18	0	18	18
LD Minivan 4x2 (Passenger)	E-85 FF	No	26	0	26	26
LD Pickup 4x2	E-85 FF	No	3	0	3	3
LD SUV 4x2	E-85 FF	No	2	0	2	2
LD Pickup 4x4	CNG BI	No	1	0	1	1
LD Pickup 4x4	E-85 FF	No	5	0	5	5
LD SUV 4x4	E-85 FF	No	20	0	20	20
LD SUV 4x4	E-85 FF	Yes	3	0	3	0
LD Van 4x4 (Cargo)	E-85 FF	No	1	0	1	1
LD Van 4x4 (Passenger)	E-85 FF	No	1	0	1	1
Medium Duty Vehicles						
MD Van (Passenger)	E-85 FF	No	1	0	1	1
Total Forecast Acquisitions:			93	0	93	90
Forecast EPAct Acquisition Credits Summary						
Base AFV Acquisition Credits (Total Planned Acquisitions)						90
Zero Emission Vehicle (ZEV) Credits						0
Dedicated Light Duty AFV Credits						0
Dedicated Medium Duty AFV Credits						0
Dedicated Heavy Duty AFV Credits						0
Biodiesel Fuel Usage Credits						0
Total EPAct Credits						90
Overall EPAct Compliance Percentage (EPAct Credits/Forecast Acquisitions)						196 %